these proteins are implicated in the primary cellular response in regenerating liver and mitogen-stimulated cells. Using a rat cDNA brain library, we have isolated a clone designated NOR-2, encoding a protein containing two zinc-finger motifs and whose expression is highly induced during G0/G1 transition. We analysed the expression of NOR-2 mRNAs during early growth in regenerating liver and in both insulin-stimulated H4-II cells and pheochromocytoma-derived cell line PC12 treated by NGF. In these systems, there is an early, rapid and transient accumulation of NOR-2 mRNAs. The induction of NOR-2 mRNAs does not require de novo protein synthesis, since it is not prevented by cycloheximide treatment. Mobility shift assays show that NOR-2 protein binds to NBRE, a target sequence for r-NGFI-B family. Structurally, NOR-2 is closely related to the recently identified NOR-1 factor. Therefore, like NOR-1, NOR-2 belongs to the r-NGFI-B sub-family of nuclear receptors superfamily.

=> d his

(FILE 'HOME' ENTERED AT 14:19:09 ON 06 NOV 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS, LIFESCI, EMBASE' ENTERED AT 14:19:24 ON 06 NOV 2002

L1 5863 S (TEC OR NOR1 OR NR4A3, OR PLSCR1)
L2 5863 S (TEC OR NOR1 OR NR4A3 OR PLSCR1)
L3 403 S L2 AND (TRANSGENIC OR MUTANT OR KNOC OUT OR KNOCKOUT)
L4 154 S L2 AND (TRANSGENIC OR KNOCK OUT OR KNOCKOUT)
L5 59 DUP REM L4 (95 DUPLICATES REMOVED)
L6 57 S L5 AND MOUSE
L7 35 S L6 NOT PY>2000

FILE 'STNGUIDE' ENTERED AT 14:25:01 ON 06 NOV 2002

FILE 'MEDLINE, LIFESCI, EMBASE, CAPLUS, BIOSIS' ENTERED AT 14:26:33 ON 06 NOV 2002

L8 31 S L7 NOT RENAL
L9 16 S L7 NOT EPITHELIAL
L10 16 S L7 NOT (EPITHELIAL (N) CELL?)
L11 31 S L5 NOT (TYROSINE (A) KINASE)
L12 26 S L11 NOT RENAL
L13 7 S L12 NOT (EPITHELIAL (A) CELL)

FILE 'STNGUIDE' ENTERED AT 14:45:42 ON 06 NOV 2002

FILE 'MEDLINE, BIOSIS, CAPLUS, LIFESCI' ENTERED AT 14:52:47 ON 06 NOV 2002

FILE 'STNGUIDE' ENTERED AT 14:52:47 ON 06 NOV 2002

FILE 'MEDLINE, BIOSIS, CAPLUS, LIFESCI' ENTERED AT 14:53:12 ON 06 NOV 2002

FILE 'STNGUIDE' ENTERED AT 14:53:13 ON 06 NOV 2002

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 14:54:19 ON 06 NOV 2002

FILE 'STNGUIDE' ENTERED AT 14:54:20 ON 06 NOV 2002
L14 0 S NEURAL (A) ORPHAN (A) RECEPTOR
L15 0 S NEURAL ORPHAN RECEPTOR

FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, BIOSIS' ENTERED AT 15:21:12 ON 06 NOV 2002
L16 1 S NEURAL ORPHAN RECEPTOR

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, LIFESCI' ENTERED AT 15:22:19 ON 06 NOV 2002
L17 5 S NR4A3

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L18           3 DUP REM L17 (2 DUPLICATES REMOVED)
L19          82 S NEURON DERIVED ORPHAN RECEPTOR
L20          36 DUP REM L19 (46 DUPLICATES REMOVED)
L21           0 S L20 AND KNOCKOUT
L22          20 S L20 NOT PY>2000

=> dup rem l22
PROCESSING COMPLETED FOR L22
L23          20 DUP REM L22 (0 DUPLICATES REMOVED)

=> d l22 bib abs 1-20

L22  ANSWER 1 OF 20     MEDLINE
AN   2000412218     MEDLINE
DN   20314398   PubMed ID: 10854708
TI   Early induction of the orphan nuclear receptor NOR-1 during cell death of
     the human breast cancer cell line MCF-7.
AU   Ohkubo T; Ohkura N; Maruyama K; Sasaki K; Nagasaki K; Hanzawa H; Tsukada
     T; Yamaguchi K
CS   Growth Factor Division, National Cancer Center Research Institute, Tokyo,
     Japan.
SO   MOLECULAR AND CELLULAR ENDOCRINOLOGY, (2000 Apr 25) 162 (1-2) 151-6.
     Journal code: 7500844. ISSN: 0303-7207.
CY   Ireland
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Priority Journals
EM   200008
ED   Entered STN: 20000907
     Last Updated on STN: 20000907
     Entered Medline: 20000828
AB   The neuron-derived orphan receptor
     (NOR-1) is a member of the NGFI-B subfamily within the nuclear receptor
     superfamily. In T-cell apoptosis, where NGFI-B plays an essential role, a
     functional redundancy between NGFI-B and NOR-1 has been demonstrated.
     Here, we examined the regulation and expression of the NOR-1 gene during
     cell death induced by a calcium ionophore A23187 in the human breast
     cancer cell line MCF-7. A23187 caused a transient increase in NOR-1 mRNA
     levels within 6 h after treatment. To delineate the sequences required for
     the transitional response to A23187, a series of promoter deletion mutants
     were constructed. From the transient transfection experiments, the element
     responsive to A23187 was identified between -94 and -42 base pairs
     upstream from the transcription initiation site. This 53-base pairs region
     contains three copies of the cAMP response element (CRE). Furthermore,
     phosphorylation of the CRE-binding protein (CREB), which affects the
     transcription of the CRE dependent-genes, was detected 30 min after A23187
     stimulation. Our findings are consistent with NOR-1 involvement in
     A23187-induced cell death via the CRE-CREB signaling pathway.

L22  ANSWER 2 OF 20     MEDLINE
AN   1999455011     MEDLINE
DN   99455011   PubMed ID: 10523643
TI   Heterodimerization between members of the Nur subfamily of orphan nuclear
     receptors as a novel mechanism for gene activation.
AU   Maira M; Martens C; Philips A; Drouin J
CS   Laboratoire de Genetique Moleculaire, Institut de Recherches Cliniques de
     Montreal, Montreal, Quebec H2W 1R7, Canada.
SO   MOLECULAR AND CELLULAR BIOLOGY, (1999 Nov) 19 (11) 7549-57.
     Journal code: 8109087. ISSN: 0270-7306.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Priority Journals
EM   199911
```

5	0	S	NEURAL DERIVED ORPHAN RECEPTOR
L6	0	S	NEURAL (A) DERIVED (A) ORPHAN
L7	64267	S	MINOR AND T
L8	0	S	MINOR (W) MITGEN
L9	6	S	MINOR (W) MITOGEN
L10	6	DUP REM L9 (0 DUPLICATES REMOVED)	
L11	0	S	L10 AND KNOCKOUT
L12	545	S	MINOR AND KNOCKOUT
L13	0	S	L1 AND DOMINANT